

CLAIM AMENDMENT SHEET

What is claimed is:

1. (Currently Amended) A self-metering automatic industrial-scale fire fighting nozzle, comprising:
 - an additive passageway within the nozzle in fluid communication with a fire-fighting liquid conduit ~~of~~ within the nozzle, the conduit having a discharge orifice that varies in size with supply pressure of the liquid, at least for part of a flow range of the nozzle; and
 - structural elements defining a variable opening associated with the additive passageway, the elements structured in combination to automatically vary the opening size in response to variations in size of the discharge orifice.
2. (Currently Amended) A self-metering automatic industrial-scale fire fighting nozzle, comprising:
 - an additive passageway within the nozzle in fluid communication with a fire-fighting liquid conduit ~~of~~ within the nozzle, the conduit having a discharge orifice that varies in size with supply pressure of the liquid, at least for part of a flow range of the nozzle; and
 - a valve associated with the additive passageway, the valve structured to automatically vary in accordance with variations of the discharge orifice size.
3. (Currently Amended) A self-metering automatic industrial-scale fire fighting nozzle, comprising:
 - an additive passageway within the nozzle in fluid communication with a fire-fighting liquid conduit ~~of~~ within the nozzle, the conduit having a discharge orifice that varies in size with supply pressure of the liquid, at least for part of a flow range of the nozzle; and
 - means for variably occluding the additive passageway in conjunction with variations of the discharge orifice size.
4. (Currently Amended) A self-metering automatic industrial-scale fire fighting nozzle, comprising:
 - an additive passageway within the nozzle in fluid communication with a fire-fighting liquid conduit ~~of~~ within the nozzle, the conduit having a discharge orifice that varies in size with supply pressure of the liquid, at least for part of a flow range of the nozzle; and
 - an adjustable opening in the additive passageway calibrated to automatically adjust in response to variations of the discharge orifice size.
5. (Original) The nozzle of claim 1 including a ratio selector having at least two settings and wherein the structural elements vary the opening in response to a selector setting.
6. (Original) The nozzle of claim 2 including a ratio selector having at least two settings and wherein the valve varies the opening in response to a selector setting.

7. (Original) The nozzle of claim 3 including a ratio selector having at least two settings and wherein the means include means for occluding in response to a selector setting.

8. (Original) The nozzle of claim 4 including a ratio selector having at least two settings and wherein the opening is calibrated to adjust in response to a selector setting.

9. (Original) The nozzle of claims 1, 2, 3, 4, 5, 6, 7 or 8 including:

at least two gap defining elements that relatively adjust to define the discharge orifice of the nozzle; and

flow indicator structure that adjusts in tandem with a gap defining element adjustment, the flow indicator structure connected to a visible calibrated indicia of flow.

10. (Currently Amended) A method, comprising:

automatically metering a preselected ratio of additive into an at least partially automatic industrial-scale fire fighting nozzle, including adjusting at least one occluding element in an additive passageway within the nozzle in fluid communication with a fire fighting liquid conduit of within the nozzle in accordance with a varying discharge orifice of the fire fighting liquid conduit.

11. (Currently Amended) A method, comprising:

automatically metering a preselected ratio of additive into an at least partially automatic industrial-scale fire fighting nozzle, including occluding an additive passageway within the nozzle in fluid communication with a fire fighting liquid conduit of within the nozzle in accordance with a varying discharge orifice of the fire fighting liquid conduit.

12. (Currently Amended) A method, comprising:

automatically metering a preselected ratio of additive into ~~a self-ducting~~ an at least partially automatic industrial-scale fire fighting nozzle, including, in a passageway for additive located inside of the nozzle body, and valving the passageway in tandem with a varying discharge orifice of within the fire fighting liquid conduit.

13. (Previously Presented) The method of claims 10, 11 or 12 that includes selecting between a plurality of additive ratios for the automatic metering.

14. (Previously Presented) The method of claims 10, 11 or 12 that includes mechanically linking a visible indication of flow rate of fire fighting liquid through the nozzle with the varying fire fighting liquid conduit discharge orifice.